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Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.06.2024 Version number: 1.12 Revision: 13.02.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- · 1.1 Product identifier For industrial and professional use only.
- · Trade name: Epiprime 2K Dark Grey
- · Article number: 6708
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against Surface Coating
- · Application of the substance / the mixture Surface Coating
- · 1.3 Details of the supplier of the safety data sheet
- · Supplier:

HMG PAINTS LIMITED

Riverside Works,

Collyhurst Road,

Collyhurst,

Manchester,

M40 7RU

UNITED KINGDOM

TEL: +44 (0)161 205 7631

EMAIL: sales@hmgpaint.com

- · Further information obtainable from: www.hmgpaint.com
- · 1.4 Emergency telephone number: +44 (0)161 205 7631 (business hours)

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms











011502 011500

GHS05

GHS07

GHS08 G

- · Signal word Danger
- · Hazard-determining components of labelling:

Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number

average molecular weight > 700)

isobutanol

4-methylpentan-2-one

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· Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

· Additional information:

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · **Description**: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	Xylene (mix) ♠ Flam. Liq. 3, H226; ♠ STOT RE 2, H373; Asp. Tox. 1, H304; ♠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	>10-≤25%
CAS: 25036-25-3 EC number: 607-500-3	Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight > 700) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	>10-≤25%
CAS: 7779-90-0 EINECS: 231-944-3 Reg.nr.: 01-2119485044-40-0000	trizinc bis(orthophosphate) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	>10-≤25%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23-XXXX	isobutanol ♦ Flam. Liq. 3, H226; ♦ Eye Dam. 1, H318; ♦ Skin Irrit. 2, H315; STOT SE 3, H335-H336	>2.5- <u>≤</u> 10%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30-XXXX	4-methylpentan-2-one ♠ Flam. Liq. 2, H225; ♠ Carc. 2, H351; ♠ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335-H336	>2.5-≤10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	ethylbenzene	>2.5- <i>≤</i> 10%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate ♦ Flam. Liq. 3, H226; ♦ STOT SE 3, H336	>1- <u>≤</u> 2.5%

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· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Supply fresh air and call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Immediately rinse with water.

- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing:

Do not induce vomiting; call for medical help immediately and show safety datasheet or label.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: Put on breathing apparatus

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/extraction at the workplace.

Open and handle receptacle with care.

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Prevent formation of aerosols.

Hygiene measures:

Wash hands before breaks and at the end of workday.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed and in a well-ventilated place.

Keep away from heat.

 \cdot 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Additional information about design of technical facilities: No further data; see section 7.

Ingredien	ts with l	imit values that require monitoring at the workplace:		
1330-20-7	Xylene	(mix)		
WEL Sho	L Short-term value: 441 mg/m³, 100 ppm			
		value: 220 mg/m³, 50 ppm		
	BMGV			
78-83-1 is	obutano	pl		
	Short-term value: 231 mg/m³, 75 ppm			
	Long-term value: 154 mg/m³, 50 ppm			
108-10-1	4-methy	lpentan-2-one		
	EL Short-term value: 416 mg/m³, 100 ppm			
		value: 208 mg/m³, 50 ppm		
	Sk, BMGV			
100-41-4	-			
	L Short-term value: 552 mg/m³, 125 ppm			
	g-term v	value: 441 mg/m³, 100 ppm		
Sk				
		xy-1-methylethyl acetate		
		value: 548 mg/m³, 100 ppm		
Lon Sk	g-term v	value: 274 mg/m³, 50 ppm		
DNELs				
1330-20-7	Xylene	(mix)		
Dermal	DNEL	108 mg/day (Con)		
		180 mg/day (Ind)		
Inhalative	DNEL	14.8 mg/m³ (Con)		
		77 mg/m^3 (Ind)		
7779-90-0	trizinc	bis(orthophosphate)		
Oral		0.83 mg/day (Con)		
Dermal		83 mg/day (Con)		
		83 mg/day (Ind)		
Inhalativa	DNFI	2.5 mg/m³ (Con)		
1111MMHIVE	DIVEL	2.5 mg/m (Con)	(Contd. on p	

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		$5 \text{ mg/m}^3 (Ind)$	
78-83-1 iso	obutano	ol	
Oral	DNEL	25 mg/day (Con)	
Inhalative	DNEL	55 mg/m³ (Con)	
		$310 \text{ mg/m}^3 \text{ (Ind)}$	
108-10-1 4	-methy	lpentan-2-one	
Oral	DNEL	4.2 mg/day (Con)	
Dermal	DNEL	4.2 mg/day (Con)	
		11.8 mg/day (Ind)	
Inhalative	DNEL	$14.7 mg/m^3 (Con)$	
		83 mg/m³ (Ind)	
108-65-62	-metho	pxy-1-methylethyl acetate	
Oral	DNEL	1.67 mg/day (Con)	
Dermal	DNEL	54.8 mg/day (Con)	
		153.5 mg/day (Ind)	
Inhalative	DNEL	33 mg/m³ (Con)	
		275 mg/m³ (Ind)	

· PNECs

CAS No. 1330-20-7 Xylene mixed isomers

- Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

• Ingredients with biological limit values: 1330-20-7 Xylene (mix) BMGV 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid 108-10-1 4-methylpentan-2-one BMGV 20 \(\mu\text{mol/L}\) Medium: urine Sampling time: post shift Parameter: 4-methylpentan-2-one

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· Respiratory protection: When spraying the product, use a respiratory protective device.

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· Protection of hands:



Protective gloves

· Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid
Colour: Dark grey
Odour: Characteristic
Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined. **Initial boiling point and boiling range:** 137-143 °C

· Flash point: 24 °C

· Flammability (solid, gas): Flammable.

· Decomposition temperature: Not determined.

· Ignition temperature: Product is not selfigniting.

• Explosive properties: Product is not explosive. However, formation of explosive air/

vapour mixtures are possible.

· Explosion limits:

 Lower:
 1.1 Vol %

 Upper:
 7 Vol %

· Vapour pressure at 20 °C: 6.7-8.2 hPa

Density at 20 °C:
 Relative density
 Vapour density
 Not determined.
 Not determined.

• Evaporation rate Not determined.

· Solubility in / Miscibility with

water: NOT MISCIBLE

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic at 20 °C: 130 mPas
Kinematic: Not determined.

· Solvent content:

 Organic solvents:
 36.1 %

 Water:
 0.1 %

 Solids content:
 63.7 %

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· 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- \cdot 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

No dangerous decomposition products when stored and handled correctly

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met

LD/LC50	vatues rele	vant for classification:
1330-20-7	Xylene (m	ix)
Oral	LD50	5,000 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (rbt)
Inhalative	LC50/4 h	11 mg/l (Rat)
25036-25-		product: bisphenol A-(epichlorohydrin); epoxy resin (number
	average	molecular weight > 700)
Oral	LD50	>10,000 mg/kg (Rat)
7779-90-0	trizinc bis	(orthophosphate)
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>5.7 mg/l (Rat)
78-83-1 is	obutanol	
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rab)
108-10-1 4	1-methylpe	ntan-2-one
Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	2 mg/l (rat)
100-41-4 е	thylbenzer	16
Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rbt)
108-65-62	2-methoxy-	1-methylethyl acetate
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (Rat)
Inhalative	LC50/4 h	>10.8 mg/l (Rat)

- · Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation

Causes serious eye damage.

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· Respiratory or skin sensitisation

May cause an allergic skin reaction.

- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity

Suspected of causing cancer. Route of exposure: Inhalation.

- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, IMDG, IATA	UNI 263	
· 14.2 UN proper shipping name · ADR	1263 PAINT RELATED MATERIAL ENVIRONMENTALLY HAZARDOUS	
· IMDG · IATA	PAINT RELATED MATERIAL, MARINE POLLUTANT PAINT RELATED MATERIAL	

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(Contd. of page 8) · 14.3 Transport hazard class(es) · ADR, IMDG · Class 3 Flammable liquids. · Label \cdot IATA 3 Flammable liquids. · Class · Label · 14.4 Packing group III · ADR, IMDG, IATA · 14.5 Environmental hazards: Product contains environmentally hazardous substances: trizinc bis(orthophosphate) Symbol (fish and tree) · Marine pollutant: Symbol (fish and tree) · Special marking (ADR): Warning: Flammable liquids. · 14.6 Special precautions for user · Hazard identification number (Kemler code): F-E,S-E· EMS Number: · Stowage Category \boldsymbol{A} · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. · Transport/Additional information: · Limited quantities (LQ) 5LCode: E1 · Excepted quantities (EQ) Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · Transport category D/E · Tunnel restriction code · Limited quantities (LQ) 5L· Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml · UN "Model Regulation": UN 1263 PAINT RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Poisons Act
- · Regulated explosives precursors

None of the ingredients is listed.

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· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
- · Technical instructions (air):

Class	Share in %
Wasser	0.1
NK	36.1

- · Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Full text of H-Statements referred to under sections 2 and 3:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· Department issuing SDS: Product safety department: LABORATORY

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox 4: Acute toxicity – Category 4

Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1 Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category I Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 * * Data compared to the previous version altered.

GB